

# ABSTRACT OF THE DISCLOSURE

5 A method for testing object-oriented system software  
having system classes includes examining an application  
software program including calls to system classes with  
both a static analysis tool and a dynamic analysis tool.  
Then both a static use count and a dynamic use count of  
the system classes are determined. A proportional  
weighing attribute is assigned to each system class based  
10 on its corresponding static use count and dynamic use  
count. The system classes are then tested in an order  
determined by the corresponding proportional weighing  
attributes.